

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082316\  
 Data File : BG023854.D  
 Acq On : 23 Aug 2016 15:39  
 Operator : UM/SJ  
 Sample : H4528-12  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALEFILL-MCMPH3-3

Quant Time: Aug 24 01:39:45 2016  
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

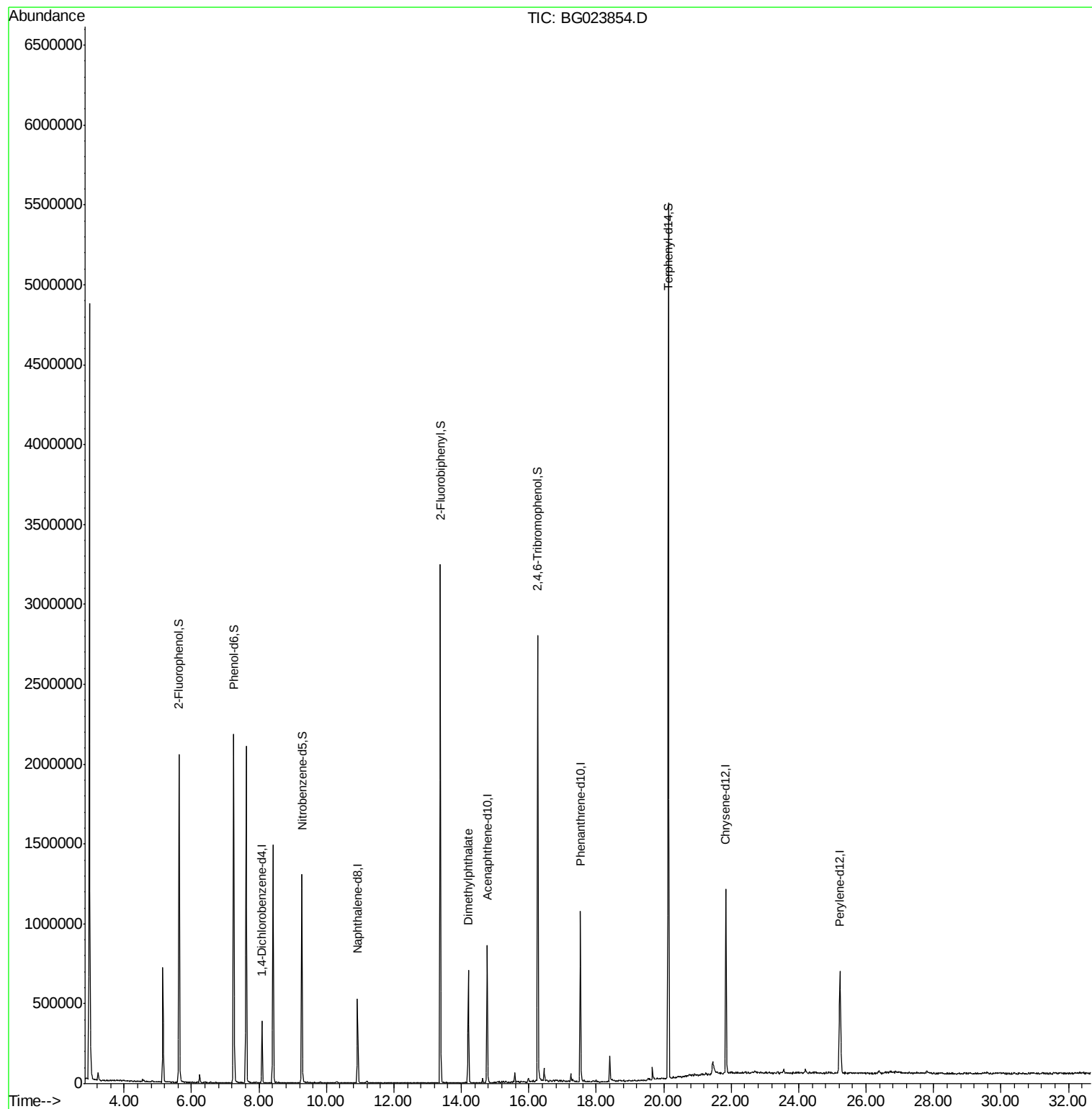
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 101569   | 20.00  | ng    | -0.03        |
| 21) Naphthalene-d8          | 10.92 | 136  | 442206   | 20.00  | ng    | -0.03        |
| 38) Acenaphthene-d10        | 14.76 | 164  | 283947   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 17.52 | 188  | 661432   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 21.84 | 240  | 699317   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 25.23 | 264  | 696255   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.63  | 112  | 870745   | 144.31 | ng    | -0.03        |
| 7) Phenol-d6                | 7.25  | 99   | 1247444  | 132.73 | ng    | -0.03        |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 855089   | 96.13  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 495208   | 119.23 | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1566685  | 93.06  | ng    | -0.02        |
| 78) Terphenyl-d14           | 20.14 | 244  | 2126210  | 98.10  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.21 | 163  | 437879   | 20.10  | ng    | Qvalue<br>99 |

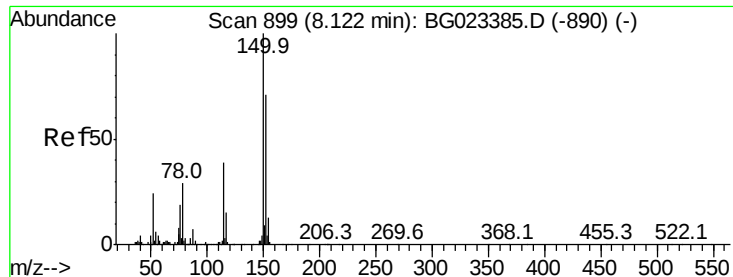
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 01 19:22:14 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 894

Delta R.T. -0.03 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-3

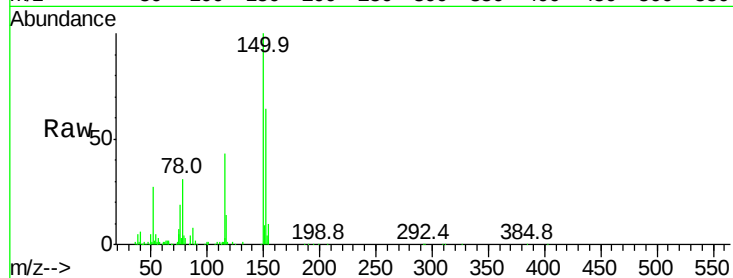
Tot Ion:152 Resp: 101569

Ion Ratio Lower Upper

152 100

150 155.7 144.7 217.1

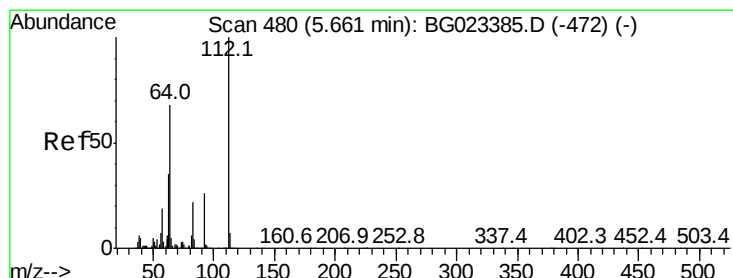
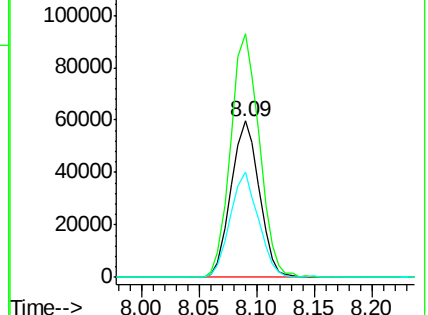
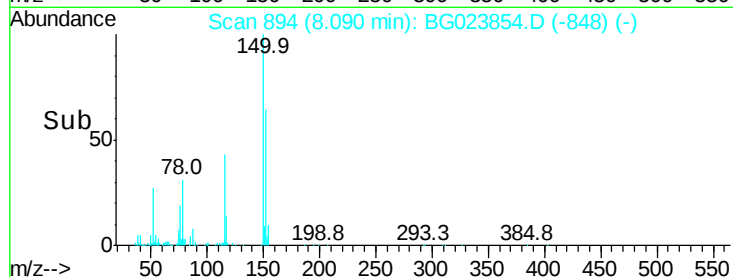
115 67.1 64.0 96.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 144.31 ng

RT: 5.63 min Scan# 476

Delta R.T. -0.03 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

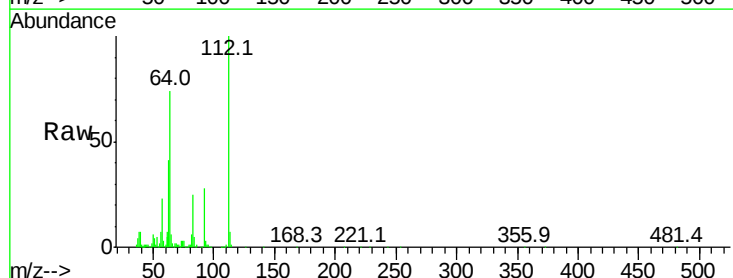
Tgt Ion:112 Resp: 870745

Ion Ratio Lower Upper

112 100

64 74.0 59.0 88.4

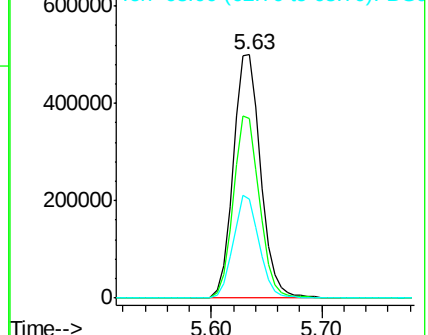
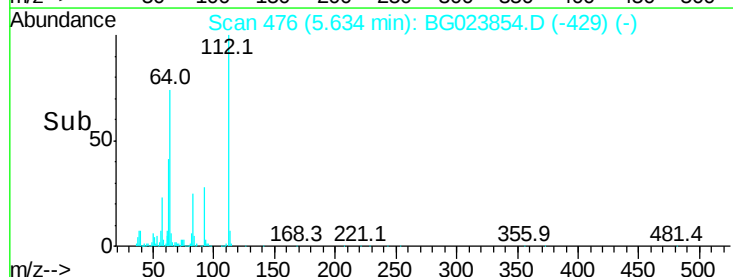
63 40.6 37.8 56.8

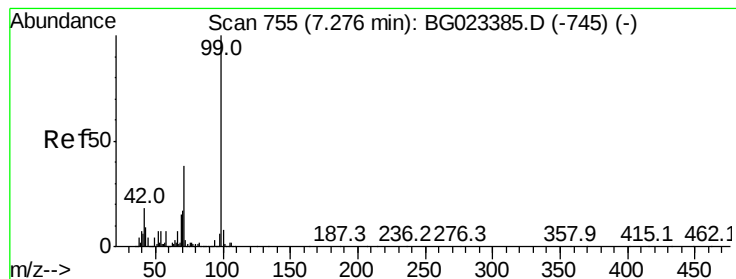


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 132.73 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.03 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-3

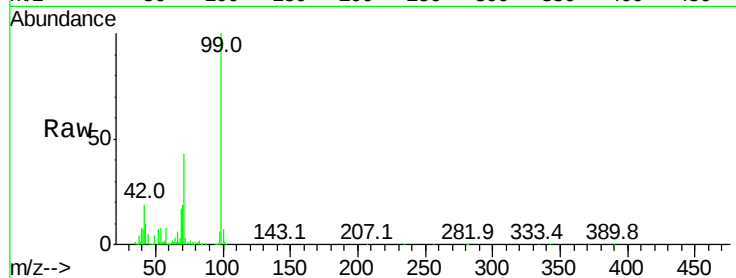
Tot Ion: 99 Resp: 1247444

Ion Ratio Lower Upper

99 100

42 19.4 17.8 26.6

71 43.3 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

800000

600000

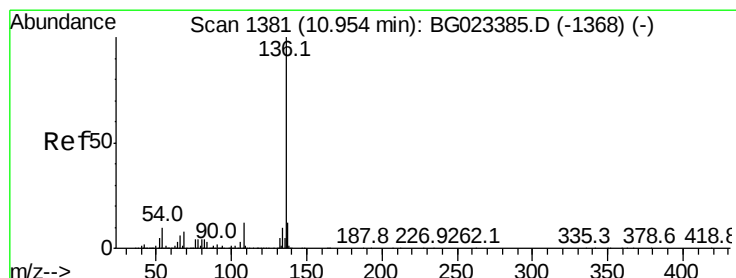
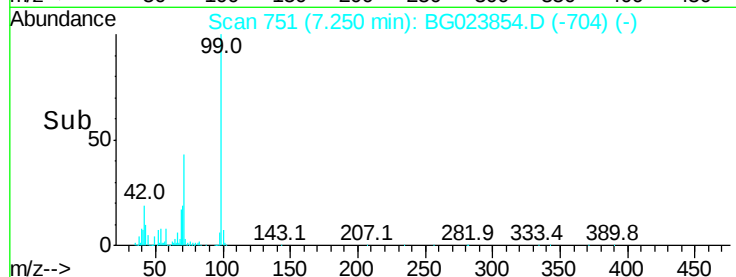
400000

200000

0

7.10 7.20 7.30 7.40

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.92 min Scan# 1376

Delta R.T. -0.03 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

Tgt Ion: 136 Resp: 442206

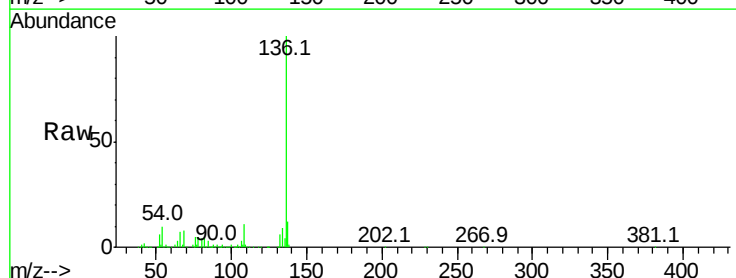
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 9.9 7.3 10.9

68 7.7 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

300000

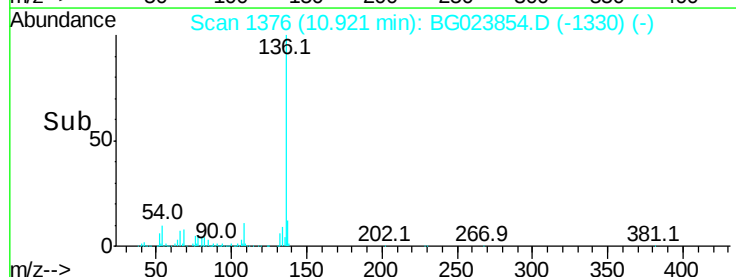
200000

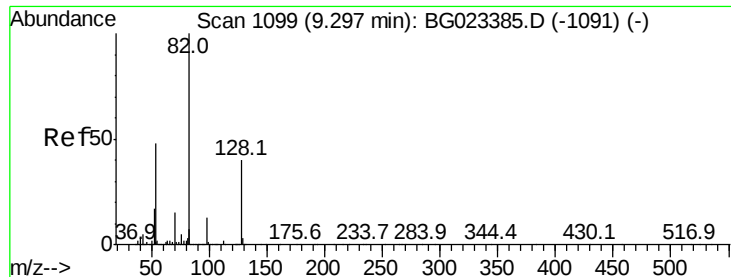
100000

0

10.90 11.00

Time-->

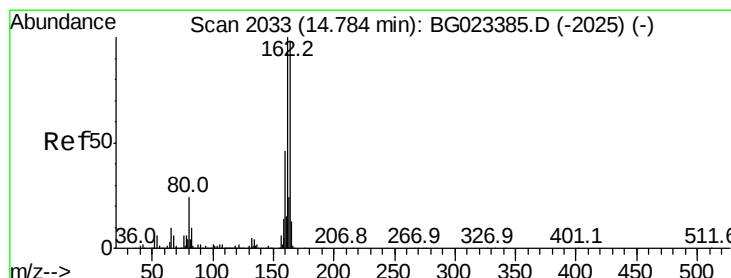
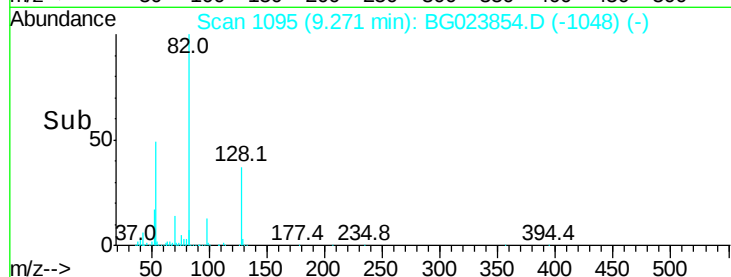
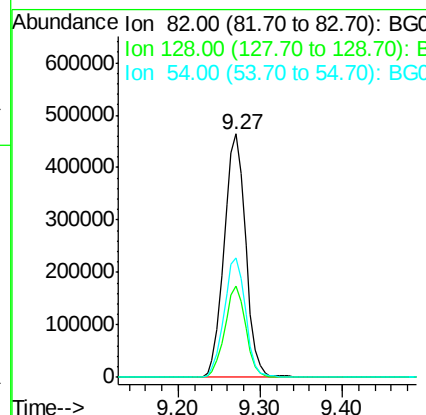
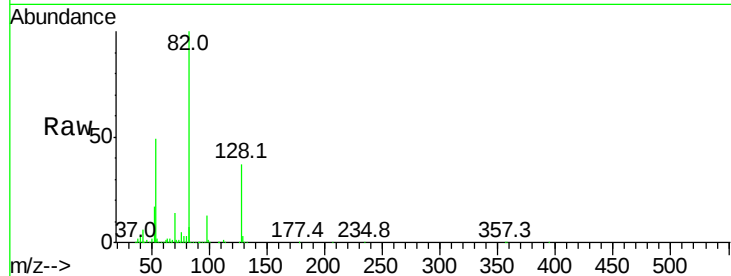




#23  
Nitrobenzene-d5  
Concen: 96.13 ng  
RT: 9.27 min Scan# 1095  
Delta R.T. -0.03 min  
Lab File: BG023854.D  
Acq: 23 Aug 2016 15:39

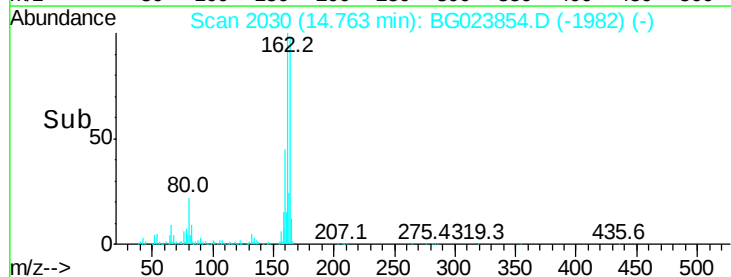
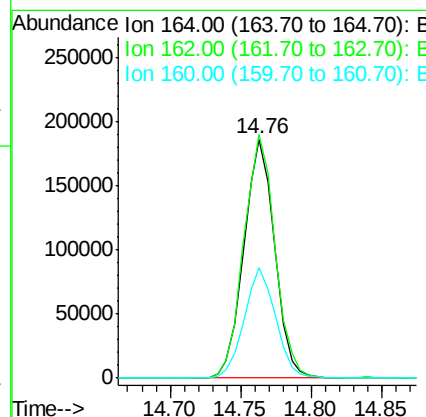
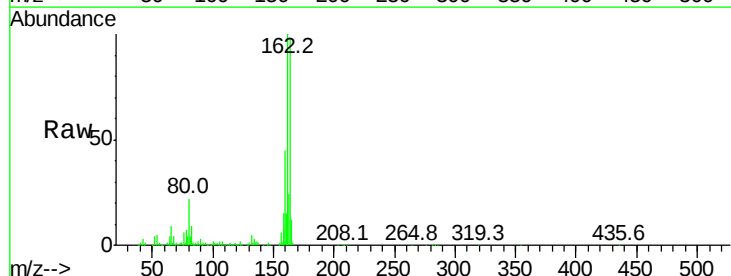
Instrument :  
BNA\_G  
ClientSampleId :  
VITALEFILL-MCMPH3-3

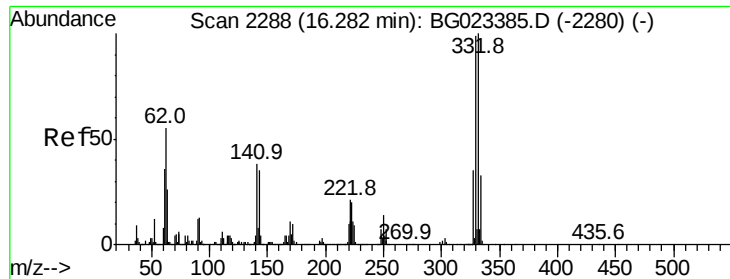
| Tot Ion   | 82   | Resp  | 855089 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 37.5 | 24.4  | 36.6#  |
| 54        | 49.3 | 41.4  | 62.0   |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.76 min Scan# 2030  
Delta R.T. -0.02 min  
Lab File: BG023854.D  
Acq: 23 Aug 2016 15:39

| Tgt Ion   | 164   | Resp  | 283947 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.0 | 87.7  | 131.5  |
| 160       | 46.0  | 37.2  | 55.8   |

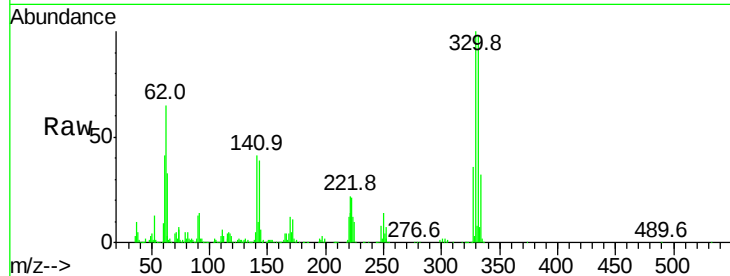




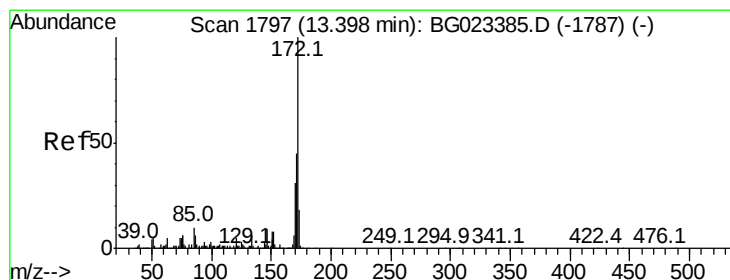
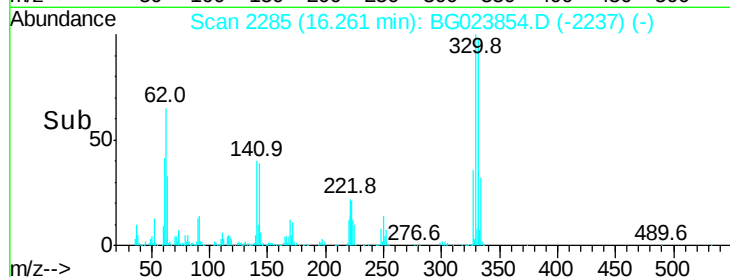
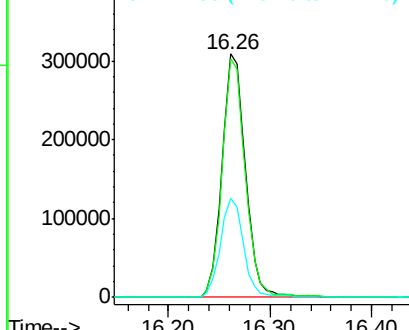
#41  
 2,4,6-Tribromophenol  
 Concen: 119.23 ng  
 RT: 16.26 min Scan# 2285  
 Delta R.T. -0.02 min  
 Lab File: BG023854.D  
 Acq: 23 Aug 2016 15:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALEFILL-MCMPH3-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 77.4  | 116.2 |
| 141     | 40.2  | 31.7  | 47.5  |

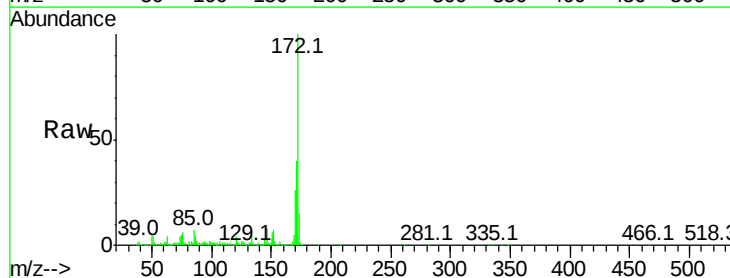


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

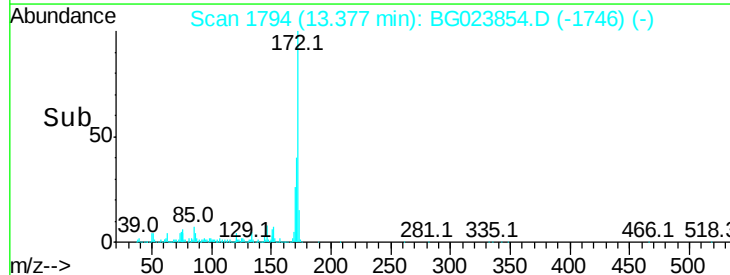
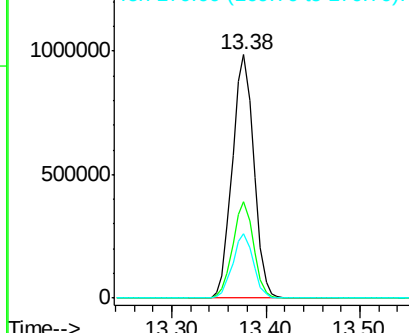


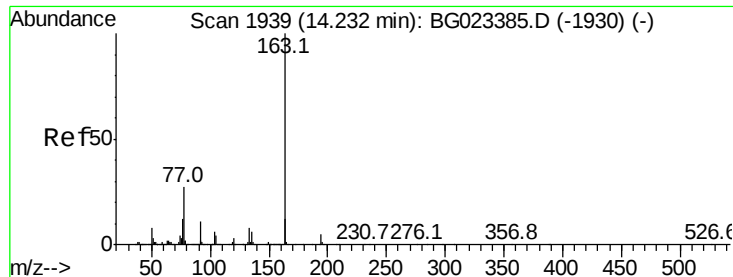
#44  
 2-Fluorobiphenyl  
 Concen: 93.06 ng  
 RT: 13.38 min Scan# 1794  
 Delta R.T. -0.02 min  
 Lab File: BG023854.D  
 Acq: 23 Aug 2016 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.8  | 31.6  | 47.4  |
| 170     | 26.4  | 21.3  | 31.9  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 20.10 ng

RT: 14.21 min Scan# 1935

Delta R.T. -0.03 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-3

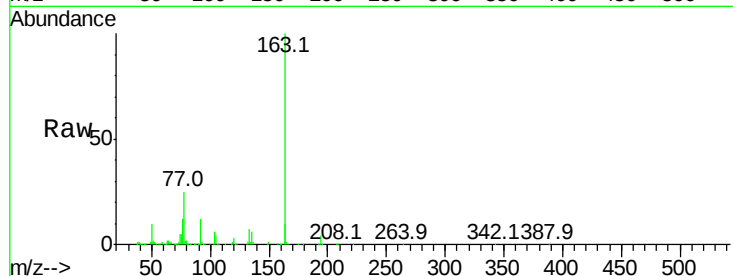
Tot Ion:163 Resp: 437879

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

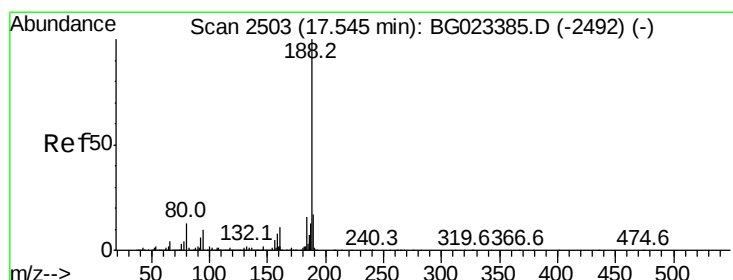
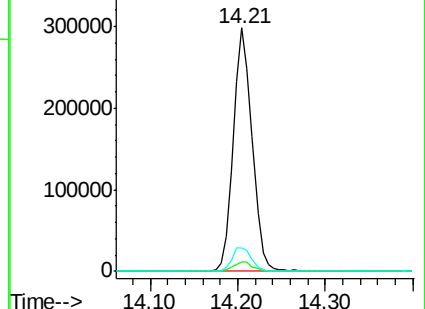
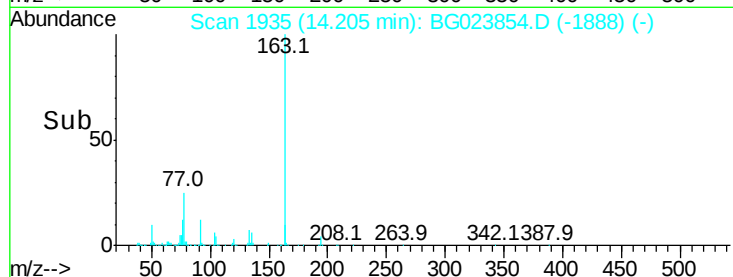
164 9.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

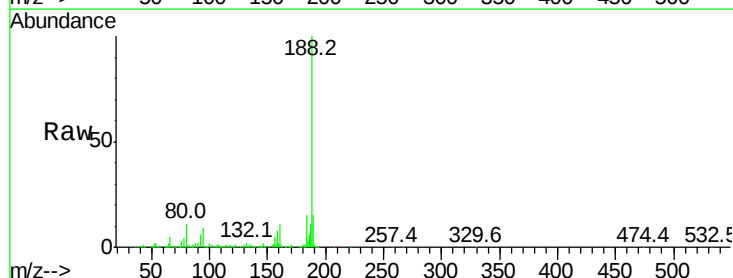
Tgt Ion:188 Resp: 661432

Ion Ratio Lower Upper

188 100

94 9.2 5.2 7.8#

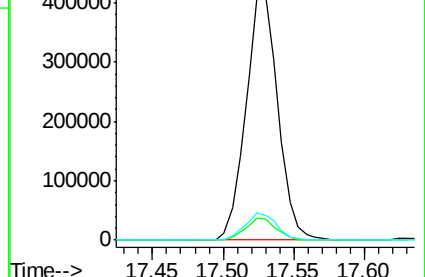
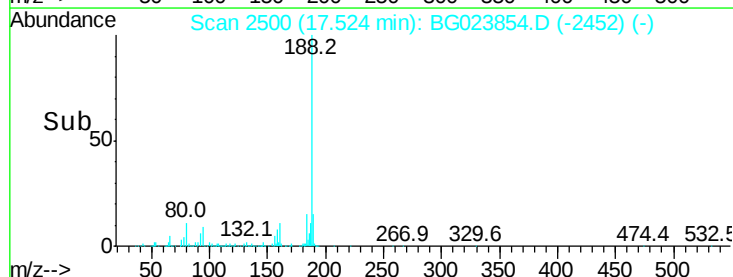
80 11.2 7.2 10.8#

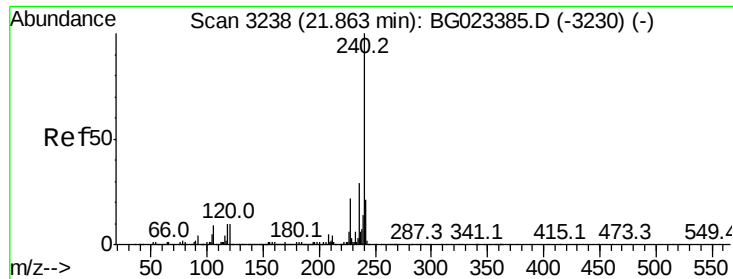


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-3

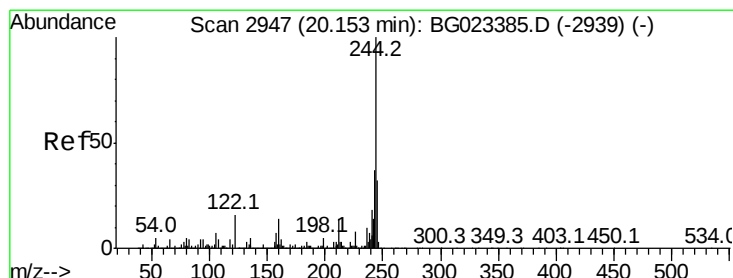
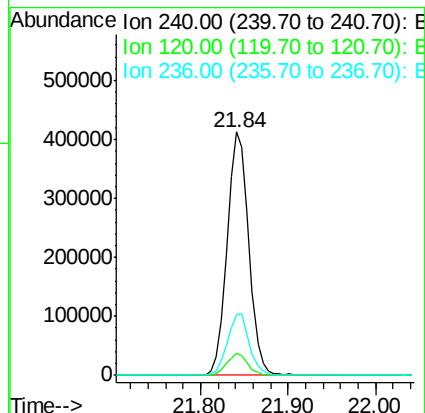
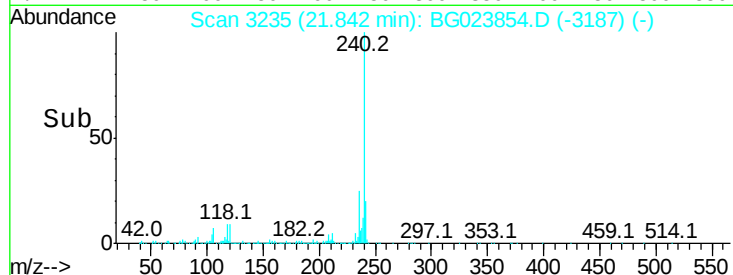
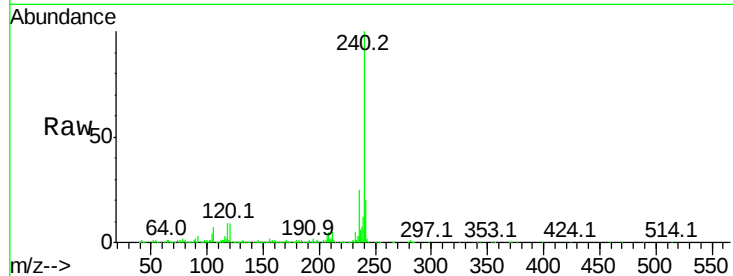
Tot Ion:240 Resp: 699317

Ion Ratio Lower Upper

240 100

120 9.0 4.1 6.1#

236 24.8 21.1 31.7



#78

Terphenyl-d14

Concen: 98.10 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG023854.D

Acq: 23 Aug 2016 15:39

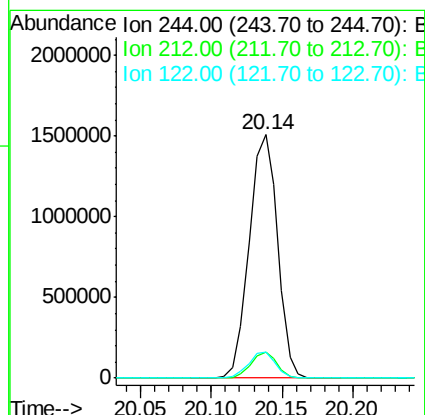
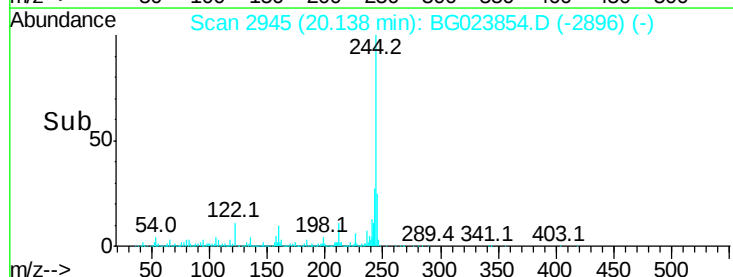
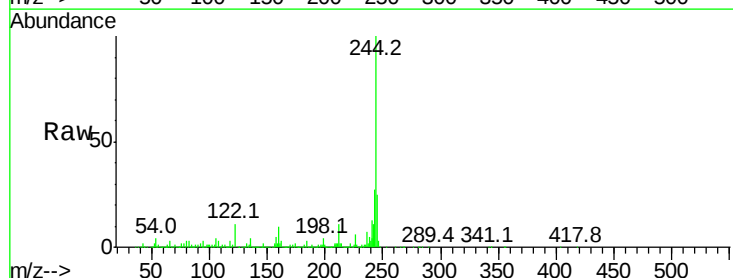
Tgt Ion:244 Resp: 2126210

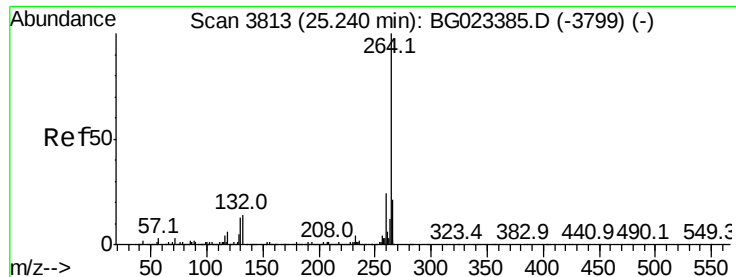
Ion Ratio Lower Upper

244 100

212 10.9 10.8 16.2

122 10.9 8.0 12.0

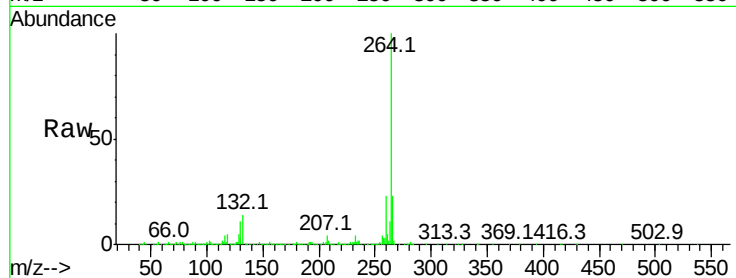




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.23 min Scan# 3811  
Delta R.T. -0.01 min  
Lab File: BG023854.D  
Acq: 23 Aug 2016 15:39

Instrument :  
BNA\_G  
ClientSampleId :  
VITALEFILL-MCMPH3-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 18.4  | 27.6  |
| 265     | 22.8  | 18.9  | 28.3  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

